

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS PO Box 1450 Alexasofan, Virginia 22313-1450 www.repto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/556,937	10/31/2006	Michael R. Costa	EX04-044C-US	6980
63572 7559 G3232099 MCDONNELL BOEHNEN HULBERT @ BERGHOFF LLP 300 SOUTH WACKER DRIVE			EXAMINER	
			GEBREYESUS, KAGNEW H	
SUITE 3100 CHICAGO, II	.60606		ART UNIT	PAPER NUMBER
,			1656	
			MAIL DATE	DELIVERY MODE
			03/23/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/556,937 COSTA ET AL. Office Action Summary Examiner Art Unit KAGNEW H. GEBREYESUS 1656 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 02 December 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-15 and 17-28 is/are pending in the application. 4a) Of the above claim(s) 2-7.13-15 and 20-25 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) _____ is/are rejected 7) Claim(s) is/are objected to. 8) Claim(s) 1, 8-12, 17-19 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) information Disclosure Statement(s) (PTO/S6/08)
Paper No(s)/Mail Date _____

5) Notice of Informal Patent Application

6) Other:

Application/Control Number: 10/556,937

Art Unit: 1656

DETAILED ACTION

Applicant's response on December 02, 2008 to the Office Action dated June 02, 2008 is acknowledged. Applicants have cancelled claims 16 without prejudice. Claims 2-7, 13-15, 20-25 remain withdrawn. Claims 1, 8-12, 17-19 have been amended. Claims 1, 8-12, 17-19 are present for examination.

Applicant's amendment has added new sequence limitations to the claims. These sequences were not recited in the previous claims. Given that these sequences comprise distinct structures, restriction to one of the following inventions is now required under 35 U.S.C. 121:

Groups I-XIII, claims 1, 8-12, 17-19 are, drawn to Claims 1, 8, 9, 10, (11, 12, 17-19 partially) are drawn to a method of identifying a candidate PTEN pathway modulating agent comprising, providing an assay system comprising a MARK nucleic acid selected from the group consisting of SEQ ID NO: 1-13 with a candidate agent and comparing a test biased activity relative to a reference.

The above restriction is not an election of species. Applicants must elect a single invention from groups I-XIII for prosecution.

Inventions 1 to 13 are directed to related products by virtue of being MARK polynucleotides. The related inventions are distinct if: (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed encompass distinct polynucleotide sequences. Furthermore these sequences are not obvious variants of each other. Furthermore, the inventions as claimed do not

Application/Control Number: 10/556,937

Art Unit: 1656

encompass overlapping subject matter and there is nothing of record to show them to be obvious

variants.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to KAGNEW H. GEBREYESUS whose telephone number is

(571)272-2937. The examiner can normally be reached on 8:30am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jon Weber can be reached on 571-272-0925. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be

obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kagnew H Gebreyesus/ Examiner, Art Unit 1656

3/17/2009

/JON P WEBER/

Supervisory Patent Examiner, Art Unit 1657